

# PATENT ABSTRACTS OF JAPAN

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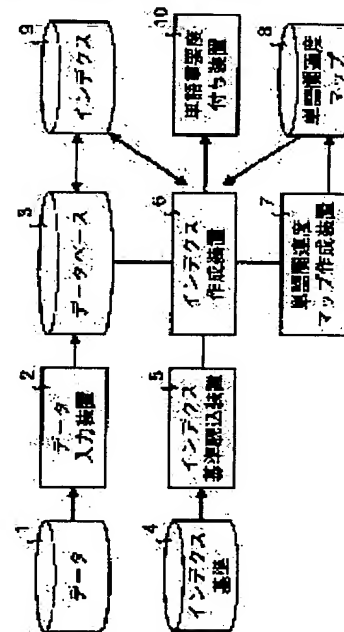
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## (54) DATA BASE PREPARATION DEVICE AND DATA BASE RETRIEVAL DEVICE

(57)Abstract:

**PROBLEM TO BE SOLVED:** To automatically prepare an index without affecting an index reference by automatically generating a relation degree between words included in data based on the index reference supplied to a data base and performing appropriate weighting to the relation degree further.

**SOLUTION:** A word relation degree map preparation device 7 checks the appearing frequency of the word used by the index reference 4 for the data 1, defines that the simultaneously appearing words are related to each other, calculates the relation degree corresponding to a prescribed calculation formula and obtains a word relation degree map 8. A word importance degree imparting device 10 divides the number of the words appearing in an extract by the number of the words appearing in a title and performs weighting to the words in the title for the portion of the value. An index preparation device 6 temporarily corrects the relation degree of the word relation degree map 8 by weighting and generates the index 9 to the data 1 by using the corrected relation degree.



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